

REMARKS

Please cancel Claims 14-15, 21-23, 37-38, 40 and 44-45 without prejudice. Claims 1-13, 16-20, 24-36, 39, 41-43, and 46-54 are pending. Claims 1, 16-20, 24-26, 39, 41-43 and 46-48 are amended herein. No new matter is added as a result of the claim amendments.

103 Rejections

The instant Office Action states that Claims 1-13, 16-20, 24-36, 39, 41-43, and 46-54 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Lobodzinski et al. ("Lobodzinski," U.S. Patent No. 5,734,873) in view of Larson (U.S. Patent No. 5,999,199). The Applicant has reviewed the cited references and respectfully submits that the present invention as recited in Claims 1-13, 16-20, 24-36, 39, 41-43, and 46-54 is not anticipated or shown by Lobodzinski and Larson, alone or in combination.

As recited in independent Claims 1 and 48, embodiments of the present invention pertain to a system that includes a register (e.g., register 410 of Figure 5 of the instant application) that provides glyph information for a character to a graphics controller 400 (Figure 5 of the instant application), where in particular the register holding the glyph information also holds width and height information for the character that is read from a frame buffer (or from system memory).

As recited in independent Claim 26, embodiments of the present invention pertain to a method in which information for a character – in particular, width and height information for the character – is read from a frame buffer (or from system memory) into a register that holds glyph information for the character.

Applicant respectfully submits that neither Lobodzinski nor Larson nor the combination thereof shows or suggests the systems or methods described by independent Claims 1, 26 and 48.

Specifically, with regard to Lobodzinski, Applicant respectfully submits that while Lobodzinski describes a register 46 and also mentions “registers associated with the text engine,” Lobodzinski does not show or suggest either the particular memory structure or the particular flows of information between the elements of the memory structure recited in the claims of the present invention.

More specifically, Applicant respectfully submits that Lobodzinski does not show or suggest “a graphics controller coupled to the first memory, the graphics controller accessing a font array included in the data structure” [which is stored in the first memory], “the graphics controller comprising a first register for holding glyph information for a character in the font, a second register that specifies an address for the font array for the font, and a third register that contains an index to the character in the font array, wherein width and height information for the character is located in the font array using the address and the index and loaded from the first memory into the first register” as recited in independent Claim 1, “reading information for a character in the font from a font array included in the data structure, wherein the font array for the font is identified using an address specified in a first register of a graphics controller and wherein the character is located in the font array using an index contained in a second register of the graphics controller, and wherein further the information includes width and height information for the character; and placing the information read from the font array

in a third register resident on the graphics controller, wherein the third register also holds glyph information for the character” as recited in independent Claim 26, or “a memory having stored therein a data structure, said data structure comprising glyph information for each of a plurality of characters, said data structure also comprising size width information and size height information for each of said characters; and a graphics controller coupled to said memory; wherein said size width information and said size height information for a character to be rendered are read from said data structure to a register that resides on said graphics controller, wherein said register also contains glyph information for said character, said graphics controller using said glyph information to render said character according to said size width and size height information” as recited in independent Claim 48.

Applicant further submits that Larson does not overcome the shortcomings of Lobodzinski. That is, Applicant respectfully submits that Larson, alone or in combination with Lobodzinski, does not show or suggest the particular memory structure or the particular flows of information between the elements of the memory structure recited in the claims of the present invention and specifically cited above.

Therefore, Applicant respectfully submits that Lobodzinski and Larson, alone or in combination, do not show or suggest the present invention as recited in independent Claims 1, 26 and 48. Accordingly, Applicant respectfully submits that the basis for rejecting Claims 1, 26 and 48 under 35 U.S.C. § 103(a) is traversed, and that Claims 1, 26 and 48 are in condition for allowance. As such, Applicant respectfully submits the basis for rejecting Claims 2-13, 16-20, 24-25, 27-36, 39, 41-43, 46-47 and 49-54 under 35 U.S.C. § 103(a) is also traversed, as Claims 2-13, 16-

20, 24-25, 27-36, 39, 41-43, 46-47 and 49-54 are dependent on either Claim 1, 26 or 48 and recite additional limitations.

Conclusions

In light of the above remarks, Applicant respectfully requests reconsideration of the rejected claims.

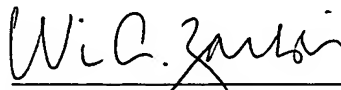
Based on the arguments presented above, Applicant respectfully asserts that Claims 1-13, 16-20, 24-36, 39, 41-43, and 46-54 overcome the rejections of record and, therefore, Applicant respectfully solicits allowance of these claims.

The Examiner is invited to contact Applicant's undersigned representative if the Examiner believes such action would expedite resolution of the present Application.

Respectfully submitted,

WAGNER, MURABITO & HAO LLP

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William A. Zarpis
Reg. No. 46,120

Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060